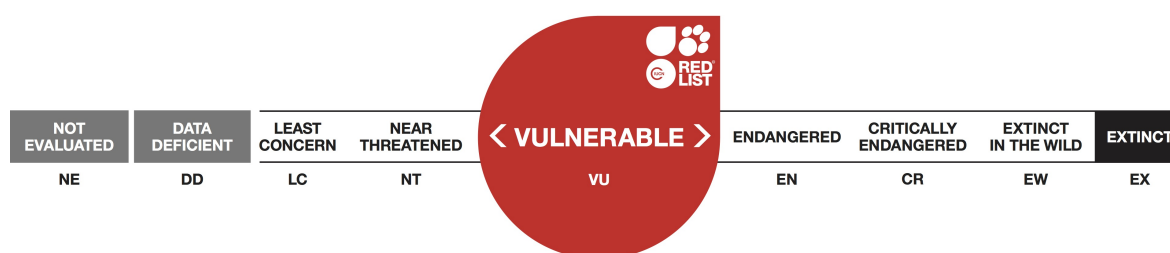


Pittosporum sp. nov. 'tchingounensis'

Assessment by: Gemmill, C., Veillon, J.-M., Amice, R., Cazé, H., Dumontet, V., Fleurot, D., Garnier, D., Gâteblé, G. & Maggia, L.



View on www.iucnredlist.org

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Taxonomy

Kingdom	Phylum	Class	Order	Family
Plantae	Tracheophyta	Magnoliopsida	Rosales	Pittosporaceae

Taxon Name: *Pittosporum* sp. nov. '*tchingounensis*' Gemmill ined.

Taxonomic Source(s):

Gemmill, C. In Prep. Three new species of *Pittosporum* in New Caledonia.

Assessment Information

Red List Category & Criteria: Vulnerable D2 [ver 3.1](#)

Year Published: 2017

Date Assessed: July 23, 2015

Justification:

Pittosporum "tchingounensis" (NOU 035102) is an endemic species of New Caledonia known only from two localities : massif du Tchingou and Oua-Tilou. Genetic studies show that this taxon is completely distinct from other species of *Pittosporum*. With an extent of occurrence and area of occupancy equal to 8 km² and considering the potential mining activities on Massif du Tchingou, *P. "tchingounensis"* qualifies for listing as Vulnerable (VU) D2 as it would rapidly become Critically Endangered or even Extinct.

Geographic Range

Range Description:

Pittosporum "tchingounensis" (NOU 035102) is an endemic species of New Caledonia known only from two localities: massif du Tchingou and Oua-Tilou.

Country Occurrence:

Native: New Caledonia

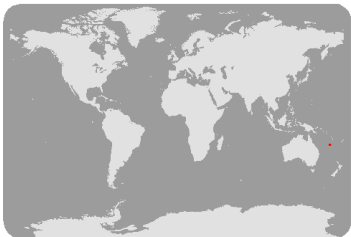
Distribution Map

Pittosporum sp. nov. 'tchingounensis'



Range
● Extant (resident)

Compiled by:
IUCN SSC New Caledonia Plants RLA



The boundaries and names shown and the designations used on this map do not imply any official endorsement, acceptance or opinion by IUCN.

Population

Population size is unknown due to a lack of data.

Current Population Trend: Unknown

Habitat and Ecology (see Appendix for additional information)

Pittosporum "tchingounensis" occurs in high altitude shrubland on ultramafic substrate.

Systems: Terrestrial

Threats (see Appendix for additional information)

Currently, *Pittosporum* "tchingounensis" does not appear to be impacted by any specific threat, but could be significantly affected if mining activity was launched on the massif du Tchingou.

Conservation Actions (see Appendix for additional information)

Pittosporum "tchingounensis" is not protected by any legislation and does not occur in any protected areas of New Caledonia. Given the lack of knowledge about this species, it is highly recommended that field surveys are conducted and immediate conservation measures be taken.

Credits

Assessor(s): Gemmill, C., Veillon, J.-M., Amice, R., Cazé, H., Dumontet, V., Fleurot, D., Garnier, D., Gâteblé, G. & Maggia, L.

Reviewer(s): Tanguy, V.

**Facilitators(s) and
Compiler(s):** Chanfreau, S.

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Gemmill, C. In Prep. Three new species of *Pittosporum* in New Caledonia.

IUCN. 2017. The IUCN Red List of Threatened Species. Version 2017-3. Available at: www.iucnredlist.org. (Accessed: 7 December 2017).

Citation

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External Resources

For [Images and External Links to Additional Information](#), please see the Red List website.

Appendix

Habitats

(<http://www.iucnredlist.org/technical-documents/classification-schemes>)

Habitat	Season	Suitability	Major Importance?
3. Shrubland -> 3.7. Shrubland - Subtropical/Tropical High Altitude	-	Suitable	-

Threats

(<http://www.iucnredlist.org/technical-documents/classification-schemes>)

Threat	Timing	Scope	Severity	Impact Score
3. Energy production & mining -> 3.2. Mining & quarrying	Future	-	-	-
	Stresses:	1. Ecosystem stresses -> 1.1. Ecosystem conversion 1. Ecosystem stresses -> 1.2. Ecosystem degradation		

Conservation Actions in Place

(<http://www.iucnredlist.org/technical-documents/classification-schemes>)

Conservation Actions in Place
In-Place Land/Water Protection and Management
Occur in at least one PA: No
Invasive species control or prevention: No
In-Place Species Management
Successfully reintroduced or introduced benignly: No
Subject to ex-situ conservation: No

Research Needed

(<http://www.iucnredlist.org/technical-documents/classification-schemes>)

Research Needed
1. Research -> 1.1. Taxonomy
1. Research -> 1.2. Population size, distribution & trends

Additional Data Fields

Distribution
Estimated area of occupancy (AOO) (km ²): 8
Continuing decline in area of occupancy (AOO): Unknown
Extreme fluctuations in area of occupancy (AOO): No
Estimated extent of occurrence (EOO) (km ²): 8
Continuing decline in extent of occurrence (EOO): Unknown
Extreme fluctuations in extent of occurrence (EOO): No
Continuing decline in number of locations: Unknown
Extreme fluctuations in the number of locations: No
Lower elevation limit (m): 1175
Upper elevation limit (m): 0
Population
Continuing decline of mature individuals: Unknown
Extreme fluctuations: No
Population severely fragmented: Unknown
No. of subpopulations: 2
Extreme fluctuations in subpopulations: No
Habitats and Ecology
Continuing decline in area, extent and/or quality of habitat: Unknown
Generation Length (years): 0

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